



Ressence Type 2 The First Mechanical Watch with a Smart Crown

Ressence, the watch company that keeps challenging the status quo of mechanical watchmaking, is excited to announce the release of the new Type 2, the first mechanical wrist watch with a smart crown, the e-Crown®.

The genesis of the Type 2 starts with the Ressence Orbital Convex System (ROCS), the unique in-house developed (and patented) horological unit featuring an ever-changing dial that continually orbit around one another. The purpose is a more efficient way of telling time. Information is displayed on a single surface, much like words on a piece of paper, making for improved readability. This differs than that of a traditional watch, where the hands and dial are layered on one another producing an uneven viewing plane.

Building on the foundation of the ROCS, the next step for Ressence in the innovation of the wrist watch is the creation of the smart e-Crown®, featured on the Type 2. For over the past century and a half, the watch's crown was the primary mechanism to wind and set the time. This was revolutionary during its day, however in order to move watchmaking into the 21st century, a new idea was needed and e-Crown® was born. The development of the e-Crown® came down to one simple but fundamental question: What if I could trust and rely on my mechanical watch as much as I do for my phone.

e-Crown® automatically sets and adjusts the Type 2 to the right time when needed. Driven by user experience, it combines the reliability of electronics with the emotion and beauty of mechanical engineering. Since the quartz revolution in the 1970's, the Fine Watchmaking industry has seen electronics as a threat, but Ressence's patented smart crown technology offers a new dimension to Fine Watchmaking and embraces the digital native generation.

e-Crown® is activated and controlled by tapping the crystal on the dial of the Type 2, offering a new tactile experience and user-friendliness to mechanical watches. Visually, it is represented on the dial by the selector sub disc and its four modes (time zone 1, time zone 2, app and e-Crown off). The Type 2 uses light energy to power the e-Crown®. Photovoltaic cells (some hidden behind 10 micro-shutters on the dial) will use outside light as an energy source making the watch self-sufficient; a fundamental quality in the nomadic world of today.

The Type 2 is manually set via the lever on its case back. By double tapping the crystal, the manually set time is digitally registered by e-Crown®. There is no need to think about checking and adjusting the watch anymore, e-Crown® does it automatically. Even after three months of inactivity, once the watch is fastened to the wrist and the wearer taps the crystal, e-Crown® will automatically set it to the right time.

Ressence's pursuit to improve the mechanical watch is uniquely its own and the Type 2 is a perfect example of the brand's determination to build products that question what a wrist watch can be in the 21st century. The emphasis is not primarily on timing precision but to create a better product as a whole - considering such characteristics as legibility, usability, and user experience. Ressence's "less is more" philosophy produces timeless watches and improved functionality while always adding a playful and magical experience to them.



FAQ

Can I register multiple time zones on the Type 2?

For added travel convenience, e-Crown® can register two time zones. Set the second time zone the same way as the first one and switch from one to another via the mode selector on the dial.

Can I use an app to set the time of the Type 2?

Ressence developed the e-Crown® app to reach an unseen level of convenience and modernity. Using Bluetooth to connect with the Type 2, the app displays a scroll down list of cities to choose from for both time zones to send directly to the smart crown.

Why do I not need to wind the Type 2 anymore?

Type 2 has a power saving function. When the watch is not on your wrist for more than 12 hours, e-Crown® will automatically hold the barrel of the mechanical movement. When putting the watch back on your wrist, e-Crown® will release the barrel and Type 2 will start running again by double tapping the sapphire.

How does the Type 2 know the correct time?

Type 2 is not radio-controlled. When you set the watch via the lever or via the e-Crown® app, time is also registered digitally inside the watch.

About Ressence

Ressence was founded in 2010 with one goal in mind; to challenging the status quo of the mechanical wrist watch, its relevance in modern times and to refresh an entire industry that seems to rest on its past achievements. Winners of the 2013 Horological Revelation Award at the prestigious Grand Prix d'Horlogerie, Ressence takes a distinctive approach to the craft of contemporary Fine Watchmaking, combining Swiss-made calibres with unmatched self-engineered innovation to reimagining how mechanical watches can function and interact with its user in the modern age.



RESSENCE
BEYOND HANDS

Technical Specifications

Functions

- Hours
- Minutes
- Seconds

e-Crown® Functions

- Second time zone
- Mechanical power saver
- Self-setting
- Time monitoring

Movement

- Patented ROCS 2 - Resence Orbital Convex System - driven by the minute axle of a specially customised 2892/A caliber
- Caseback winding and time setting via lever
- Self-winding
- 36 hours power reserve
- 28,800 vibrations per hour
- 45 jewels
- 37 gears

e-Crown®

- 87 components
- 1,8 joules of energy per day
- Four-layered 0,25mm thick flexible custom-built PCB

Dial

- Convex grade 5 titanium anthracite pvd coating dial (75mm diameter) with 3 eccentric biaxial satellites inclined at 9.75° (hours) and 17° (seconds and e-Crown selector) on jewel micro-ball bearings (gaps between discs are 35 microns)
- Custom made photovoltaic cells under 10 micro-shutters
- Engraved indications filled with grade A Superluminova

Case

- Grade 5 Titanium with anthracite pvd coating
- Double domed sapphire crystal with both sides anti-reflective coating
- 45 mm (diameter) x 12 mm (thickness)
- 1 ATM water-resistance

Buckle & Strap

- Ardillon buckle
- Strap (22/20mm)

Total Components

- 479

Weight

- 52 grams

Prices **e-Crown® Collection** with custom made light charger

- Type 2A – Anthracite dial – CHF 42'500 (taxes excluded)
- Type 2G – Grey dial – CHF 42'500 (taxes excluded)

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